

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011



WELL API NO. 30-025-40795
30-025-40795-30-025-40795
5. Indicate Type of Lease
STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name
LIGHTNING P-38 STATE
8. Well Number
6H
9. OGRID Number
229137
10. Pool name or Wildcat
BERRY; BONE SPRING, NORTH

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐
2. Name of Operator
COG OPERATING, LLC
3. Address of Operator
2208 WEST MAIN STREET
ARTESIA, NM 88210
4. Well Location
Unit Letter P: 3174 feet from the SOUTH line and 543 feet from the EAST line
Section 1 Township 21S Range 33E NMPM EDDY County CO
11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3751' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG OPERATING, LLC, RESPECTFULLY REQUESTS TO CHANGE THE DRILLING PLAN, AS FOLLOWS IN RED:

Casing and Cement

String	Hole Size	Csg OD	PPF	Depth	Sx Cement	TOC
Surface	17-1/2"	13-3/8"	54.5#	1810'	1175	0'
Intermediate	12-1/4"	9-5/8"	36#/40#	5570'	2190	0'
Production	7-7/8"	5-1/2"	17#	15753'	2225	0'

Well Plan

Drill 17-1/2" hole to ~1810' w/ fresh water spud mud. Run 13-3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/ 2% CaCl₂ to cement to surface, if necessary. Drill 12-1/4" hole to ~5570' with saturated brine water. If losses occur in the Reef, will switch to fresh water to interval TD. Run 9-5/8" 36# J55 & 40# L80 BTC casing to TD with a DV tool placed ~100' above the Reef. Plan to circulate cement on both stages. Drill 7-7/8" vertical hole, curve, and lateral to 15753' with cut brine. Run 5-1/2" 17# P110 LTC casing to TD and circulate cement to surface in one stage.

Well Control

After setting 13-3/8" casing and installing 3000 psi casing head, NU Hydril 3000 psi annular BOP. Test annular and casing to 1000 psi and other BOP equipment to 2000 with clear fluid using 3rd party testers. After setting 9-5/8" casing and installing 5000 psi casing spool, NU Shaeffer 3000 psi double ram BOP and Hydril 3000 psi annular BOP. Test annular to 1500 psi and other BOP equipment to 3000 with clear fluid using 3rd party testers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Debra L. Wilbourn TITLE Drilling Engineering Tech DATE 10/10/13

Type or print name Debra L. Wilbourn E-mail address: dwilbourn@concho.com PHONE: 575-748-6958

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE JAN 23 2014

Conditions of Approval (if any):

* Correction to Approval submitted done by LRSale Jan 8, 2014

JAN 23 2014